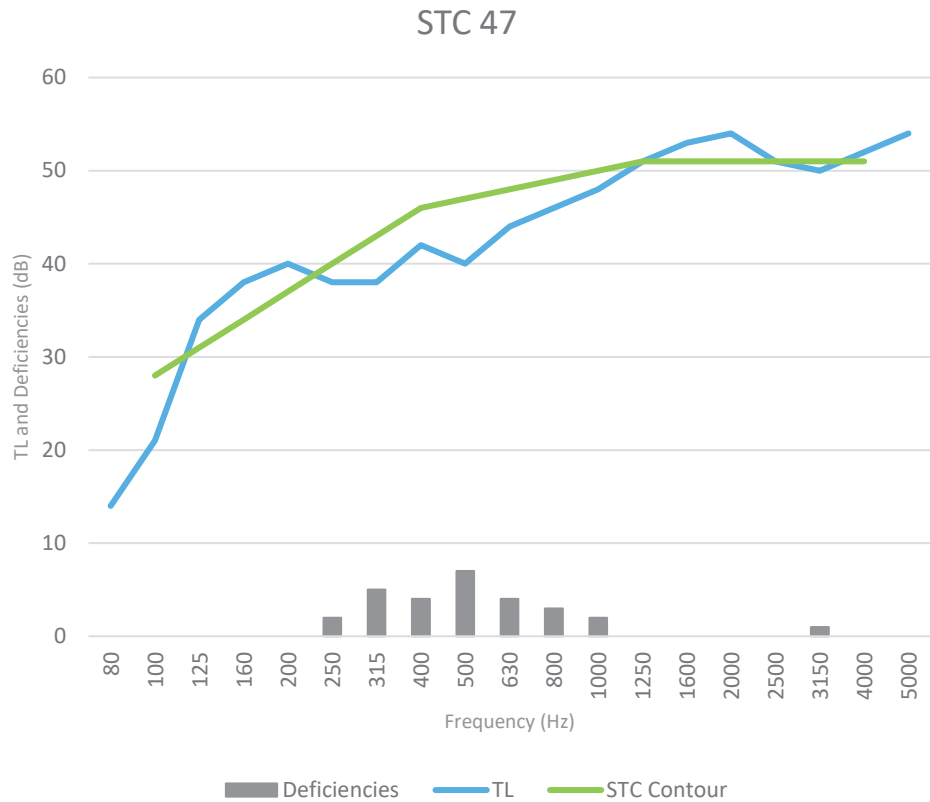


Acoustic Data			
Test Site:	Western Electro-Acoustic Laboratory 25132 Rye Canyon Loop, Santa Clarita, CA 91355	Test Number:	WEAL-TL-06-133
Assembly Type:	Wall	Test Date:	4/10/2008
Method:	ASTM E90-03	Report Date:	4/10/2008

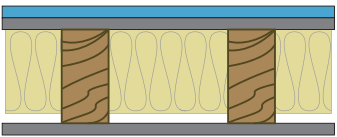








Frequency (Hz)	TL (dB)	Deficiencies (dB)
80	14	
100	21	
125	34	
160	38	
200	40	
250	38	2
315	38	5
400	42	4
500	40	7
630	44	4
800	46	3
1000	48	2
1250	51	
1600	53	
2000	54	
2500	51	
3150	50	1
4000	52	
5000	54	
Total Deficiencies		28



Assembly Mass		
Building Element	Mass lb (kg)	Surface Weight PSF (kg/m ²)
1/2" QuietRock® 510		
1/2" PABCO® Regular gypsum panel		
2"x4" wood studs spaced 24" oc		
3-1/2" glass fiber insulation		
1/2" PABCO® Regular gypsum panel		
Total		

The test report did not itemize mass and surface weight by individual components

Test Methods
Test methods follow the published standards listed below. All values derived for single-direction transmission loss measurements.
ASTM E90-09: Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements.
ASTM E413-16: Classification for Rating Sound Isolation

Design Details	Description	Acoustical	Fire
<p>PGD-02-00-060</p> 	<ul style="list-style-type: none">  2" Type S or W screws 8" o.c. along the perimeter and 12" o.c. in the field.  Face layer: 1/2" QuietRock[®] 510 gypsum panel applied vertically.  1-1/4" Type S or W screws 8" o.c. at edges and 12" o.c. in the field.  Base layer: 1/2" PABCO[®] Regular gypsum panel applied vertically.  2 x 4 wood studs 24" o.c.  3-1/2" glass fiber insulation in stud space.  OPPOSITE SIDE: One layer 1/2" PABCO[®] Regular gypsum panel applied vertically.  2" Type S or W screws 8" o.c. along the perimeter and 12" o.c. in the field. 	<p>STC 47 WEAL-TL-06-133</p>	<p>Non-Rated</p>
<p>5" Thick, 7 lb/ft², Load Bearing.</p>	<p>Vertical joints staggered all layers on opposite sides.</p>		